

CLAIMS

1. A cancer vaccine containing as an active ingredient an antigen-specific dendritic cell pulsed by an HM1.24.

5        2. A cancer vaccine according to Claim 1 wherein said HM1.24 is an HM1.24 protein or an HM1.24 peptide.

3. A cancer vaccine according to Claim 2 wherein said HM1.24 peptide is a soluble HM1.24 peptide.

10       4. A cancer vaccine containing as an active ingredient an antigen-specific dendritic cell into which an HM1.24-encoding gene has been transduced.

5. A cancer vaccine according to Claim 4 wherein said gene is a DNA or an RNA.

15       6. A cancer vaccine according to Claim 5 wherein said DNA is a cDNA.

7. A cancer vaccine containing as an active ingredient an HM1.24 protein or an HM1.24 peptide.

8. A cancer vaccine according to Claim 7 wherein said HM1.24 peptide is a soluble HM1.24 peptide.

20       9. A cancer vaccine containing as an active ingredient an HM1.24-encoding gene.

10. A cancer vaccine according to Claim 9 wherein said gene is a DNA or an RNA.

25       11. A cancer vaccine according to Claim 10 wherein said DNA is a cDNA.

12. A cancer vaccine according to any one of Claims 1 to 11 wherein said cancer is a cancer of an organ or a tissue which expresses an HM1.24.